

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>NOR-1218</b> U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>107509344</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP03/03861</b>	INTERNATIONAL FILING DATE <b>27 March 2003</b>	PRIORITY DATE CLAIMED <b>29 March 2002</b>
TITLE OF INVENTION <b>LIQUID DISPENSING METHOD AND APPARATUS</b>		
APPLICANT(S) FOR DO/EO/US <b>Masafumi MATSUNAGA; Takayuki AOYAGI; AND Kouki TERA0</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information:		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold;">10/509344</div>		INTERNATIONAL APPLICATION NO. PCT/JP03/03861		ATTORNEY'S DOCKET NUMBER NOR-1218					
21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (CFR 1.492(a)(1)-(5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....\$1080.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO .....\$920.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$770.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....\$730.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....\$100.00 <div style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></div>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE ONLY</th> </tr> <tr> <td style="height: 150px; vertical-align: bottom;">\$ 730.00</td> <td style="vertical-align: bottom;">.</td> </tr> </table>		CALCULATIONS	PTO USE ONLY	\$ 730.00	.
CALCULATIONS	PTO USE ONLY								
\$ 730.00	.								
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 0</td> <td style="width: 50%;"></td> </tr> </table>		\$ 0			
\$ 0									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$ 0					
Total claims	17 - 20 =		X \$18.00	\$ 0					
Independent claims	2 - 3 =		X \$86.00	\$ 0					
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$ 0					
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 730.00					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$					
<b>SUBTOTAL =</b>				\$ 730.00					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 0</td> <td style="width: 50%;"></td> </tr> </table>		\$ 0			
\$ 0									
<b>TOTAL NATIONAL FEE =</b>				\$ 730.00					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">\$ 0</td> <td style="width: 50%;"></td> </tr> </table>		\$ 0			
\$ 0									
<b>TOTAL FEES ENCLOSED =</b>				\$ 730.00					
				Amount to be refunded:	\$				
				Amount to be charged:	\$				
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>23-3000</u> in the amount of \$ <u>730.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-3000</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not          be included on this form.</b> Provide credit card information and authorization on PTO-2038.									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.									
SEND ALL CORRESPONDENCE TO: KEVIN G. ROONEY WOOD, HERRON & EVANS, L.L.P. 441 VINE STREET 2700 CAREW TOWER CINCINNATI, OH 45202									
				<div style="text-align: center;">            SIGNATURE            KEVIN G. ROONEY            NAME            36,330            REGISTRATION NUMBER         </div>					

10/509344

DT03 Rec'd PCT/PTO 28 SEP 2004

PATENT

Att'y Docket No. NOR-1218

Application Based on PCT/JP03/03861

Priority Date: 29 March 2002

Applicant(s): Masafumi MATSUNAGA, Takayuki AOYAGI and Kouki TERAOKA

Title: LIQUID DISPENSING METHOD AND APPARATUS

Cincinnati, Ohio 45202

September 28, 2004

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

**CERTIFICATE OF EXPRESS MAILING**

"EXPRESS MAIL" MAILING LABEL NO. EV488819354US

DATE OF DEPOSIT: September 28, 2004

I hereby certify that these papers and/or fees are being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Kenneth Eads

**Enclosures:**

Certificate of Express Mailing (EV488819354US)

Transmittal Letter to the United States Designated/Elected Office (in dupl.)

Executed Declaration, Power of Attorney and Petition

Preliminary Amendment (7 pgs.)

Authorization to Charge Deposit Account Filing Fee of \$730.00 for filing fee

Return receipt notification postal card